

Title (en)

PROCESS FOR DEPOSITING A COMPACT FILM OF PARTICLES ON THE INTERNAL SURFACE OF A PART HAVING A HOLLOW DELIMITED BY THIS INTERNAL SURFACE

Title (de)

VERFAHREN ZUM AUFBRINGEN EINES KOMPAKTEN FILMS AUS PARTIKELN AUF DIE INNENFLÄCHE EINES WERKSTÜCKES MIT EINEM DURCH DIESE INNENFLÄCHE ABGEGRENZTEN HOHLRAUM

Title (fr)

PROCEDE DE DEPOT D'UN FILM COMPACT DE PARTICULES SUR LA SURFACE INTERIEURE D'UNE PIECE PRESENTANT UN CREUX DELIMITE PAR CETTE SURFACE INTERIEURE

Publication

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Application

EP 14723781 A 20140512

Priority

- FR 1354262 A 20130513
- EP 2014059653 W 20140512

Abstract (en)

[origin: WO2014184138A1] The invention relates to a process for depositing a compact film of particles (4) on the internal surface (10) of a part (2), comprising the following steps: a) placing the part (2) in a carrier liquid (6); b) generating a flow of carrier liquid (44) into the hollow (8) of the part in the direction of the surface (18) of the carrier liquid, so as to create a protuberance (50); c) dispensing the particles (4) in order to form a compact film floating on the liquid (6) between a contact line (20) and an upstream front (6) of particles; and d) transferring the film (4) onto the internal surface (10) by performing a relative displacement between this part (2) and the surface (18) of the carrier liquid, while continuing to dispense particles (4) onto the upstream front (60).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2014184138A1

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